



SNOWFLAKE FOUNDATIONS

ONE-DAY COURSE

25A08

OVERVIEW

This one-day course covers the foundational concepts, design considerations, and Snowflake-recommended best practices intended for stakeholders who will be working on the Snowflake AI Data Cloud. The course consists of lectures, demos, and labs covering the foundational topics. This course is a pre-requisite for the role-based courses Administering Snowflake, Snowflake Data Engineering, and Snowflake Data Science.

ACQUIRED SKILLS

- Describe the unique and differentiated architecture of the Snowflake AI Data Cloud.
- Employ Snowflake's continuous data protection features.
- Discuss Snowflake's unique approach to caching.
- Summarize the information provided by Snowflake's Explain.
- Interpret the information supplied by Query Profile regarding the performance of your query.
- Load and transform data.

WHO SHOULD ATTEND

- Data Engineers
- Data Scientists
- Database Administrators

PREREQUISITES

Previous Data Warehouse knowledge is assumed.

DELIVERY FORMAT

Instructor-led Public or Private classes are available.

TOPICS COVERED

Overview and Architecture

- Overview
- Snowflake Structure
- Using Snowsight
- Storage Layer
- Compute Layer

- Cloud Services Layer
- Snowgrid
- Visualizations in Snowsight

Data Protection Features

- Cloning
- Time Travel
- Introduction to Replication

Metadata and Caching in Snowflake

- Overview
- Metadata
- Query Result Cache
- Data Cache

Query Performance

- Using Explain
- Query Profile

Data Loading

- Data Loading Objects
- Data Loading Process
- Transformation and Copy Options